

Name: _____

Per: _____

Atomic Structure WS 3

Complete the following table with any pieces of information that are missing. You can assume that each of the atoms is electrically neutral.

Element Name	Element Symbol	Element Shorthand	Atomic Number	Atomic Mass	Number of Protons	Number of Neutrons	Number of Electrons
Carbon							
				14	7		
							4
	Ne						
			20			20	

For each of the following elements, write the element name, the atomic mass number, atomic number, element shorthand, the number of protons, neutrons, and electrons and the electron configuration. Then draw a Bohr model that places the electrons on the appropriate shell. The first one has been done for you.

1. Element Symbol: B

Element Name: Boron

 Element Shorthand: B_5^{11}

Atomic Mass: 11

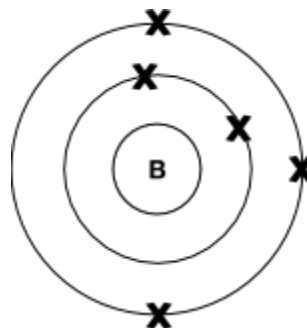
Atomic Number: 5

Protons: 5

Electrons: 5

Neutrons: 6

Electron Configuration: 2, 3



2. Element Symbol: P

Element Name: _____

Element Shorthand: _____

Atomic Mass: _____

Atomic Number: _____

Protons: _____

Electrons: _____

Neutrons: _____

Electron Configuration: _____

Name: _____

Per: _____

3. Element Symbol: Mg Element Name: _____ Element Shorthand: _____

Atomic Mass: _____

Atomic Number: _____

Protons: _____

Electrons: _____

Neutrons: _____

Electron Configuration: _____

4. Element Symbol: Na Element Name: _____ Element Shorthand: _____

Atomic Mass: _____

Atomic Number: _____

Protons: _____

Electrons: _____

Neutrons: _____

Electron Configuration: _____

5. Element Symbol: Ne Element Name: _____ Element Shorthand: _____

Atomic Mass: _____

Atomic Number: _____

Protons: _____

Electrons: _____

Neutrons: _____

Electron Configuration: _____